

CEDRIC VANZA LUTONDA

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Portfolio: cedoula.github.io/portfolio

DATA ANALYST

Data Analytics | Systems | Projects | Application

Adaptable Data Analyst skilled in recording, interpreting and analyzing data in a fast-paced environment. Adept at working independently as well as collaborating with teams across multiple functions to effectively break down concepts in layman terms. Bring experience obtained through cross-functional organizations to streamline data analysis, reporting, and auditing. Prepared to excel in solving complex problems. Fluent in English and French.

TECHNICAL SKILLS

Languages: VBA, Python 3, HTML/CSS, SQL, JSON, JavaScript, R, Spark

Data Manipulation & Visualization: Pandas, NumPy, Matplotlib, BeautifulSoup, Leaflet.js, GeoJSON, Tableau

Database: PostgreSQL, SQLite, SQLAlchemy, MongoDB

Other: Flask, Git, Bash, Microsoft Office Suite, Anaconda, Jupyter Notebook, Exploratory Data Analysis, Extract-Transform-Load, Web Scraping, Statistical Data Analysis, Big Data, AWS, NLP, Machine Learning

PROJECTS

World Weather Analysis | https://github.com/cedoula/World_Weather_Analysis

- Analyzed and visualized the weather data of over 500 cities across the world. Generated destinations and travel maps using Google Maps Platform APIs.
- Tools used: Python, Pandas, Matplotlib, Anaconda Navigator, Jupyter Notebook, Open Weather Map API, Google Maps API, JSON

Amazon Vine Analysis | https://github.com/cedoula/Amazon_Vine_Analysis

- This project analyzes Amazon Vine program and uses PySpark to perform the ETL process.
- Tools used: Google Colab Notebook, PostgreSQL, pgAdmin 4, AWS

Credit Risk Analysis | https://github.com/cedoula/Credit_Risk_Analysis

- This project uses Python to build and evaluate several machine learning models to predict credit risk.
- Tools used: Python, Pandas, Anaconda Navigator, Jupyter Notebook, Machine Learning, sampling algorithms

EXPERIENCE

SCHLUMBERGER - Drilling & Measurements, Houston, TX

October 2018 – April 2020

Senior Field Engineer

- Led field operations, including project management, engineering design, maintenance, job planning, and operational reporting.
- Cultivated and maintained client relationships onsite. Measured physical properties of the oil wells while drilling and maintained accountability for team wellsite actions and performance.
- Trained and mentored junior engineers and conducted project reviews.
- Prepared wellsite reports and post-job debriefings. Presented status in project review meetings.
- Actively contributed to continuous improvement culture. Launched a project for VR based training for new field engineers and specialists.

HALLIBURTON SPERRY DRILLING, Angola, and Broussard, LA

June 2012 – October 2018

Senior Field Engineer

- Planned and managed oilfield drilling services onsite for an international company. Managed multiple projects in North Dakota, Gulf of Mexico, Saudi Arabia, Japan, France, South Korea, and Africa.
- Increased company revenues/profits by successfully leading and building teams recognized by management for providing high-quality, productive service delivery, solving field issues quickly, and documenting/maintaining accurate delivery.
- Consulted daily onsite as point of contact for client relations with Client Representatives to ensure accurate positioning of the well, evaluated potential of the well's drilled formation, and maximized drilling performance.
- Supervised, trained, scheduled, developed, and evaluated the performance of 4-6 Field Engineers reports to ensure consistent achievement of targeted business goals.
- Coordinated and provided continuous safety training to team members to ensure safe operations at well sites. Developed and implemented new safety policies when necessary.
- Monitored, tracked, scheduled, ordered, and controlled inventory of high-value hand tools, electronic sensors, parts, components, and equipment to maintain security for company assets, minimize risk, control costs, and improve profitability.

HALLIBURTON SPERRY DRILLING, Luanda, Angola

October 2009 – June 2012

Measurement and Logging While Drilling Engineer

- Performed measurement of petrophysical data of the rock formation and their transmission to the surface during the phases of drilling.
 - Conducted real-time determination of the geographical location of the drilling tool.
- These critical data allow the oil company, our client, to evaluate the potential of the drilled formation, to maximize drilling performance and accurate positioning of the well.

EDUCATION**Data Analysis and Visualization Certificate:** The University of Texas at Austin, Austin, Texas

A 24-week intensive program focused on gaining technical programming skills in Excel, VBA, Python, R, JavaScript, SQL Databases, Tableau, Big Data, and Machine Learning.

Master of Science Degree, Engineering, Electronic Communications

Superior School of Electricity (SUPELEC) - Paris, France

Electronic Communications: Techniques of Signal Coding, Transmission, Modulation, and Treatment.

Bachelor of Science Degree, Engineering

Superior School of Electricity (SUPELEC), Paris, France

Associate Degree, Sciences: University of Paris Sud, Paris, France

Mathematics and Physics.